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DA	5,072,075	12/10/91	Lee et al.	174/264		06/28/89	<u>re</u>	
on	5,121,190	06/09/92	Hsiao et al.	357/80		03/14/90		
on	5,483,421	01/09/96	Gedney et al.	361/771		03/09/92		
on	5,574,630	12/12/96	Kresge et al.	361/792		05/11/95		
m	5,615,087	03/25/97	Wieloch	361/719		11/03/95		
m	5,798,563	08/25/98	Feilchenfeld et al.	257/668		01/28/97		
on	5,894,173	04/13/99	Jacobs et al.	257/790	11/05/97			
on	5,900,675	05/04/99	Appelt et al.	257/778		04/21/97		
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Form PTO-A820 (also form PTO-1449)

## INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

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Form PTO-A820 (also form PTO-1449)

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